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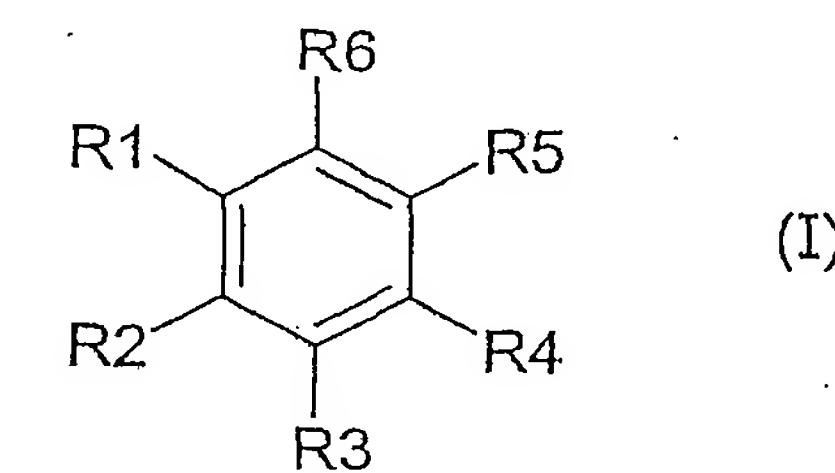
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(57) Abstract: The aqueous acidic solution for electrolytically depositing high polish, decorative bright, smooth and level copper coatings on large area metal or plastic parts contains a) at least one oxygen-containing, high molecular additive and b) at least one water soluble sulfur compound, wherein the solution additionally contains c) at least one aromatic halogen derivative having the general formula (I), wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> are each independently radicals selected from the group comprising hydrogen, aldehyde, acetyl, hydroxy, hydroxyalkyl having 1 - 4 carbon atoms, alkyl having 1 - 4 carbon atoms and halogen, with the proviso that the number of residues R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> which are halogen ranges from 1 to 5.